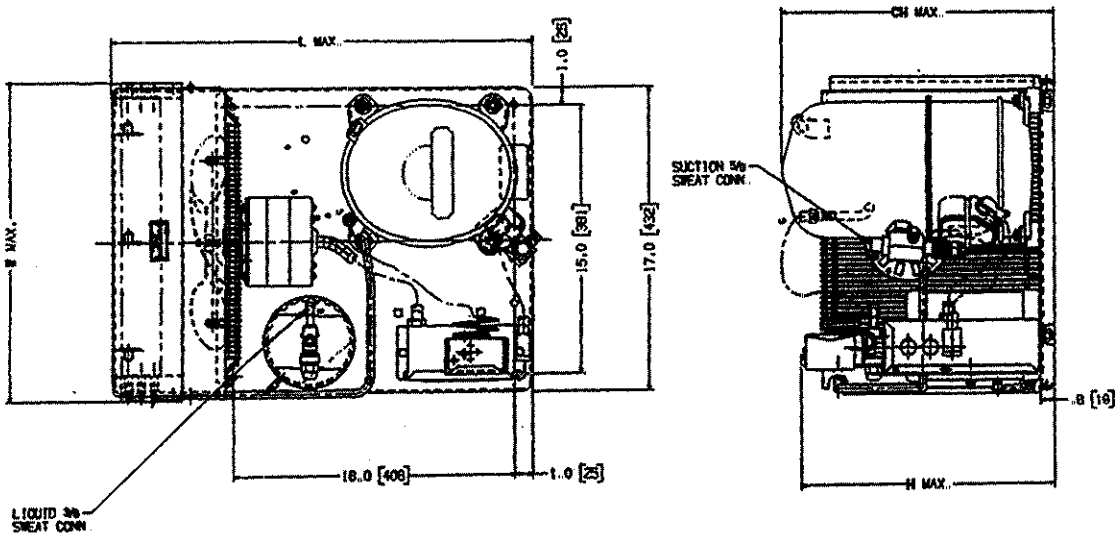
AHA2445AXDXC

March 10, 2000

Revision 2003

TECUMSEH HERMETIC CONDENSING UNITS

MODEL AHA2445AXDXC (B/M 2B1125-49) R-12 1 HP AIR COOLED



NOTE: DIMENSIONING = INCHES (MILLIMETERS) AB

Model	Dimensions				*Line Connection		Pumpdown 90 ° F 90% Full	Air CFM	Oil Chg oz.	Gr. Wt. Lbs.
	L	W	H	CH	Suct.	Liq.				
AHA2445AXDXC	24.9	17.8	15.4	14.6	5/8 RS	3/8 S	7.8#	800	45	122

*F=Flare, S=Solder, RF or RS= Rotolock Valve with Flare or Solder Connections
Factory charge: 20 psig nitrogen - MUST BE EVACUATED 60 HZ Performance

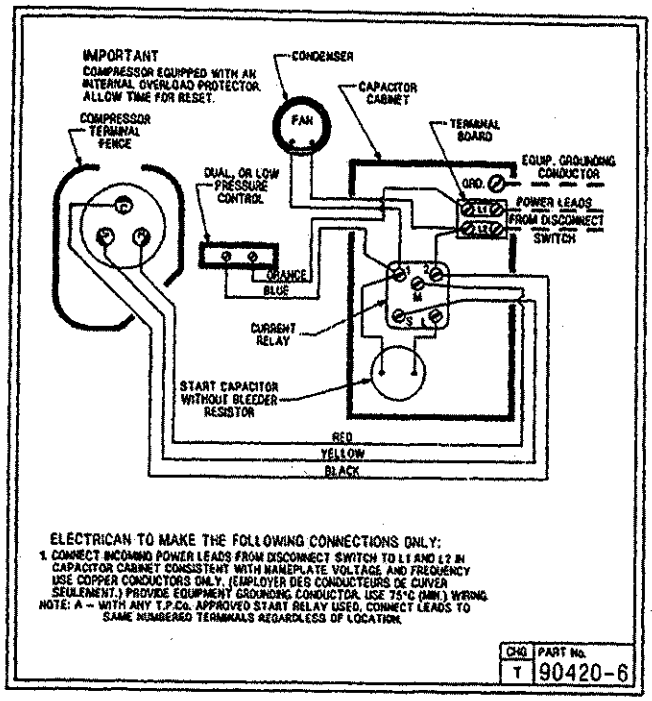
Approved Evap. Range		Ambient								
		90° F			100° F			110° F		
°F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-40	*11.0"	1550	670	105	1300	700	123	1100	740	142
-30	*5.5"	2600	870	112	2350	900	130	2100	940	149
-20	0.6	3750	1080	120	3450	1120	139	3200	1170	157
-10	4.5	4900	1330	130	4650	1380	149	4400	1420	167
0	9.2	6200	1600	140	5900	1650	158	5600	1700	178
+10	14.6	7600	1880	152	7300	1940	172	7000	2000	190

* Inches of mercury below one atmosphere

Date: January 2003
Unit Catalog Update

SPECIFICATIONS	**AHA2445AXDXC**
Nominal Voltage	230/208-1
Unit B/M	2B1125-49
Voltage Range	253 to 187
Min. Circuit Ampacity	11.4
Max. Fuse Size (Amps)	15
Compressor Model	**AHA2445AXD**
Comp. Bill of Material	AH410EF-504
RLA/LRA	8.2/51.0
ESP Overload	Internal
ESP Relay	P82938
Capacitor Cabinet	AE1197-002
Start Capacitor	85PS250A58
Rating	196-236MFD/250V
Control	84026-5 (LP)
Fan Motor (OEM)	810S037B01

Fan RLA	1.10 RLA
Replacement Motor	TFM372
Fan Motor Bracket	Grd. Mnt.
Fan Blade	51563
Shroud	70736-1
Condenser	K42-4
Fan Guard	71062
Receiver Tank	51081
Receiver Tank Valve	31555-1 (3/8"S) RL
O' Ring Gasket	30334
Process Valve	31531-1 (5/8"S RL)
Optional Outdoor Enclosure	TP-201D
Crankcase Heater (If Inc)	NA
Unit Drawing	SU1894-180
Schematic or Elect. Drawing	90420-6


IMPORTANT
COMPRESSOR EQUIPPED WITH AN INTERNAL OVERLOAD PROTECTOR. ALLOW TIME FOR RESET.
CONDENSER
CAPACITOR CABINET
FAN
COMPRESSOR TERMINAL PENCE
TERMINAL BOARD
EQUIP. GROUNDING CONDUCTOR
GRD.
DUAL OR LOW PRESSURE CONTROL
POWER LEADS FROM DISCONNECT SWITCH
ORANGE
BLUE
CURRENT RELAY
START CAPACITOR WITHOUT BLEEDER RESISTOR
RED
YELLOW
BLACK
ELECTRICAN TO MAKE THE FOLLOWING CONNECTIONS ONLY:
1. CONNECT INCOMING POWER LEADS FROM DISCONNECT SWITCH TO L1 AND L2 IN CAPACITOR CABINET CONSISTENT WITH NAMEPLATE VOLTAGE AND FREQUENCY USE COPPER CONDUCTORS ONLY. (EMPLOYER DES CONDUCTEURS DE CUIVER SEULEMENT.) PROVIDE EQUIPMENT GROUNDING CONDUCTOR. USE 75°C (MIN.) WIRING.
NOTE: A – WITH ANY T.P.C.o. APPROVED START RELAY USED, CONNECT LEADS TO SAME NUMBERED TERMINALS REGARDLESS OF LOCATION.
CHG T
PART No. 90420-6

Some parts listed may be optional or listed as replacement parts